



Internet Data Center (IDC)

Trusted, Certified & Always-On Data Center Solutions

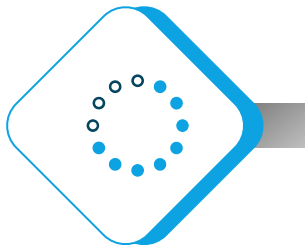
What is Internet Data Center (IDC)?



An Internet Data Center (IDC) is essentially a **highly secure, high-availability facility** that organizations use to house their servers, applications, and data



It provides a **controlled environment with power backup, cooling, and network connectivity** to keep critical IT systems running continuously

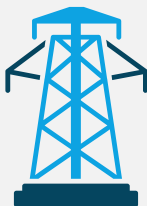


Key features include **redundant power supplies, climate control, fire suppression, and multi-layer security** to ensure uptime and data protection

IDC for Business

Why does your business need Internet Data Center (IDC)? (1/2)

1



Reduced CAPEX & Faster Time-to-Market

- IDCs eliminate upfront CAPEX by shifting to operational expenses
- Companies can launch products faster without waiting to construct infrastructure

2



Higher Uptime & Disaster Resilience

- IDCs use redundant power, cooling, and network systems to deliver higher uptime
- Geographic redundancy across two sites minimizes downtime for critical apps

IDC for Business

Why does your business need Internet Data Center (IDC)? (2/2)

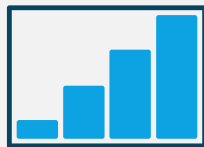
3



Scalable Computing & Secure Infrastructure

- IDCs let companies scale IT resources on demand without large investments or expanding facilities
- IDCs also provide a highly secure infrastructure environment

4



Regulatory Compliance & 24×7 Monitoring

- Certified data centers help meet strict data protection and availability requirements
- 24×7 monitoring ensures uptime and compliance by protecting critical apps beyond business hours

The BSNL Advantage: Scale, Trust and Service

Over
₹5,000 Cr
in enterprise
revenue

Over
61,000
Enterprise
branches under
the Platinum
category alone

- 1 Known for Trust and transparent (1:1) billing
- 2 Reliable connectivity partner offering resilient network



Clients



Why BSNL IDC?



BSNL is a **100% Government of India-owned** telecom company with a decades-long track record



BSNL's IDCs are built to **Tier-3 standards**, certified by the Uptime Institute with **assured uptime of 99.9%**



BSNL's IDC have **seamless integration** with BSNL's vast telecom network and is **carrier neutral**



Centralized smart monitoring on MeitY-empanelled infrastructure enables secure, compliant, and intelligent cloud operations



BSNL IDC is **ISO 27001 certified** and **SSAE 16/ISAE 3402** compliant with over 25 checkpoints of security

Features of Tier III Data Centre



N+1 Redundancy: All critical systems (power, cooling, network) have at least one independent backup, eliminating single points of failure.



Concurrent Maintainability: Any infrastructure component can be serviced or replaced without interrupting operations or causing downtime.



Multiple Active Paths: Features redundant, active power and cooling distribution paths, ensuring continuous service even during a path failure.



99.982% Uptime: Guarantees exceptionally high availability (max 1.6 hours downtime/year), ensuring near-constant access to your data and applications.

BSNL's IDC provide a comprehensive suite of services to meet a variety of enterprise IT hosting needs



01

Managed Co-location Services

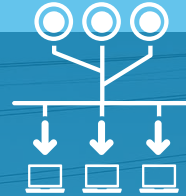
- Secure Rack Space and Cage Space for your own equipment
- Your servers, equipment, etc. benefit from redundant power and cooling, fire protection, and guarded premises



02

Managed Hosting Services

- BSNL provides physical or virtual servers and secure rack space
- Ideal for businesses outsourcing IT management to focus on applications



03

Managed IT Services

- A combination of hosting as well as co-location services
- IDC team monitors server hardware, network, and environment for alarms



04

Cloud Services

- Ready to use platform with scalability and flexibility to change configuration
- Supports primary workloads or hybrid on-premise extension

Deep Dive | Managed Co- location Services



Rack Space Options

Clients can choose from flexible rack space options including 1U, 2U, Quarter-rack, Half-rack, or Full-rack, along with lockable cabinets or caged space (e.g., 5-rack cage options available).



Comprehensive Infrastructure

The services include conditioned space (HVAC), power management, connectivity, and a secure environment to ensure optimal operation and protection of equipment.



Key Benefits

Customers benefit from highly reliable Tier III uptime certified datacentres with a 99.982% uptime SLA, custom-designed racks, and on-demand scalability.



Security & Support

The services offer high levels of security (ISO 27001 & SAS 70 Certified Datacentres), video surveillance, and 24x7 remote hands support.

Deep Dive | Managed Hosting Services



Dedicated Server Hosting

Offers greater efficiencies and reliability compared to in-house or colocation, providing dedicated web, mail, application, and database servers.



Customer Control & Standardization

Customers retain control over their data and applications, with hardware standardized by manufacturers like HP, Dell, and SUN, and an Internet-TCP/IP centric approach.



Benefits - Infrastructure & Connectivity

Features no capital expenditure, world-class datacentres with state-of-the-art infrastructure, and screaming fast connectivity via gigabit backbones.



Benefits - Flexibility & Support

Includes customizable plans, is backed by high availability SLAs, and provides 24x7 support.

Deep Dive | Managed Services



Service Delivery

Management of IT services including catalogue, continuity, performance, capacity, availability, problem, change, configuration, asset, level, incident, and supplier.



Managed Infrastructure

Covers server, storage, network, backup, disaster recovery, and facilities management.



Managed Security

Includes management of routers, firewalls, switches, IPS/IDS, antivirus, VPN, and content filtering/DDoS/UTM.



Managed Applications

Provides database, web server, and application management.

Deep Dive | Cloud Services



IaaS
(Infrastructure
as a Service)

Provides virtualized computing resources like servers, storage, and networking over the internet. You manage the operating system, applications, and data.



PaaS (Platform
as a Service)

Offers a ready-to-use platform for developing, running, and managing applications without the complexity of building and maintaining the infrastructure. Includes databases and development tools.



SaaS (Software
as a Service)

Delivers ready-to-use software applications directly over the internet, accessible via a web browser. BSNL manages all underlying infrastructure, platforms, and software.



Progressive
Service Layers

This illustrates how cloud services offer a spectrum of control, from fundamental infrastructure (IaaS) where you manage more, to a complete software solution (SaaS) where BSNL manages everything for you.